

Supplementary file

>sp|P22466|GALA_HUMAN Galanin peptides OS=Homo sapiens OX=9606

GN=GAL PE=1 SV=3

MARGSALLLASLLAAALSASAGLWSPAKEKRGWTLNSAGYLLGPHAVGNHRSFSDKNGLTSKRELRP
EDDMKPGSFDRSIPENNIMRTIIEFLSFLHLKEAGALDRLDLPAAASSEDIER

>NP_150240.1 galanin peptides preproprotein [Rattus norvegicus]

MARGSVILLAWLLLVATLSATLGLGMPTKEKRGWTLNSAGYLLGPHAIDNHRSFSDKHGLTGKRELPL
EVEEGRLGSAVPLPESNIVRTIMEFLSFLHLKEAGALDSLPGIPLATSSDLEQS

>NP_776339.1 galanin peptides preproprotein [Bos taurus]

MPRGSVLLLASLLAAALSATLGLGSPVKEKRGWTLNSAGYLLGPHALDSHRSFQDKHGLAGKRELEP
EDEARPGSFDRPLAENNVVRTIIEFLTFLHLKDAGALERLPSLPTAESAEADAERS

>NP_999399.1 galanin peptides preproprotein [Sus scrofa]

MPRGCALLLASLLASALSATLGLGSPVKEKRGWTLNSAGYLLGPHAIDNHRSFHDKYGLAGKRELEP
EDEARPGGFDRLQSEDKAIRTIMEFLAFLHLKEAGALGRPLGLPSAASSEDAGQS

>XP_014373265.1 galanin peptides isoform X2 [Alligator sinensis]

MQKCTGLLFLSLILCATLSETFGLVLSAKEKRGWTLNSAGYLLGPHAIDNHRSFNEKHGLAGKREIQP
EEDMKSGVLGRSLADDNIVRTVIEFLNYLHLKEVGALDSLPSSEETNQS

>XP_005988074.1 PREDICTED: galanin peptides isoform X1 [Latimeria
chalumnae]

MQKCASILCISLILCATLSETFGLVLSAKEKRGWTLNSAGYLLGPHAVDNHRSFSDKHGLAGKRELQT
EEDVKLGSLRSLADDNVLRTVADFLNYLHLKDIGALDNLPSFFSSEETTQS

>NP_001138861.1 galanin isoform 2 precursor [Gallus gallus]

MQRCVGFLLSLILCAALSETFGLVLSAKEKRGWTLNSAGYLLGPHAVDNHRSFNDKHGFTGKREIQP
DEDIKAGNLGRPLADENIVRTVIEFLTYLHLKEAGALENLPSPEETNLS

>XP_006642531.1 PREDICTED: galanin peptides isoform X2 [Lepisosteus
oculatus]

MQKCFGVLCVSLVLCATLSETFGLVLSAKEKRGWTLNSAGYLLGPHAVDNHRSLSDKHGLAGKRELQL
EDDIKSGSLRISDENVIRTVIDFLTYLRLKEMGALDNLHPSLTSEEVAQP

>XP_005163049.1 galanin peptides isoform X1 [Danio rerio]

MHRCVGGVCVSLIVCAFLTETLGMVIAAKEKRGWTLNSAGYLLGPHAIDSHRSLSDKHGLAGKREMP
DEDFKTGALRIADEDDVHTIIDFLSYLKLKEIGALDSLPSLTSEEISQP

>XP_022539670.1 galanin peptides isoform X2 [Astyanax mexicanus]

MQKCVGVVSVSLILCAVLSETLGMVIAAKEKRGWTLNSAGYLLGPHAIDSHRPLSDKHGLAGKRD
DFKSGALRITDEDTIHTIIDFLTYLRLKEVGALDNLPSLTSEELSQP

>XP_016383745.1 PREDICTED: galanin peptides isoform X1
[Sinocyclocheilus rhinocerosus]

MHRCVGGVCVSLIVCAFLTETLGMVIAAKEKRGWTLNSAGYLLGPHAIDSHRSLSDKHGLAGKREMP
EEDFKTAALRISDEDDVYTIIDFLSYLKLKEMGALDSLPSLTSEEISQP

>XP_020390621.1 galanin peptides [Rhincodon typus]

MPRFASLLCLSLVLCALVSHSFGLVLPKDKRGWTLNSAGYLLGPHAVDNHRSLSDKNGLAGKRELQL
EDELKHGNLLQNLADESVARIAIEFLVYLHLKEIGALDNLPSLLSSEVPQP

>NM_001292769.1 Callorhinchus milii galanin and GMAP prepropeptide
(gal), mRNA

MPRCAALLCVSLVLCALSQCFGLSLLTKEKRGWTLNSAGYLLGPHAVDNHPSFNEKRGLAGKRELHL
EDETNSDNVLQALTDENAILIVIEFLTYLRLKETGALDNLMPFSSSDVQP

>MSTRG.6959.2.p2 LAMPREY Petromyzon marinus

MQCSPRLICLALLVLAIAESHGMLVTEKEKRGWTLNSAGYLLGPTAMDQHRTLNLGLAGKRAAF
EET FNTFGQKPLRVSTEDVLRAIIDYLNMYMHMKEARGLSTMPEDFFEDLPRQP

>NM_001278965.1 Ciona intestinalis galanin-like peptide (ci-galp), mRNA
(OUTGROUP, only used for the phylogenetic analysis).

MNSFGRYTFSLAVVLYISIVLCAENSEAATAKRPFRGQGGWTLNSVGYNAGLGALRKLFEKRDGSSLD
VESMPLDNEEMENLAKDFALFLEVKESGLLGPRMLRCILSRNDQVMDSMSEM